GPS Vehicle Tracker

(GPS+GSM+SMS/GPRS)

User Manual

Thank you for purchasing the tracker,This manual shows how to operate the device smoothly and correctly Make sure to read this manual carefully before using this product.

1. product packaging accessories:

1.1 power 4P line 1pc (standard accessory)
1.4 electric relay 1pc (optional accessory)
1.5 User manual 1pc (standard accessory)

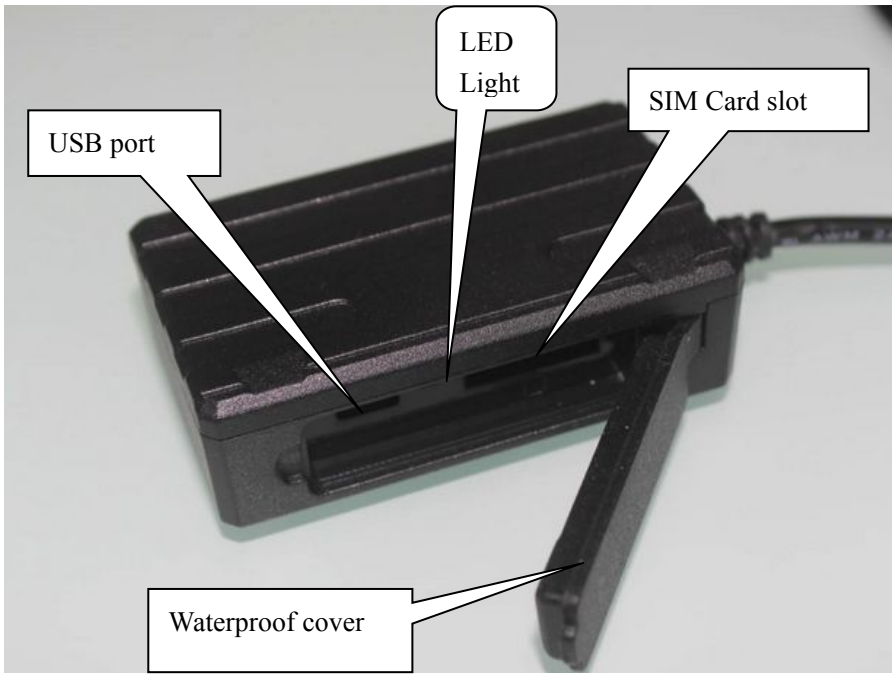
(Accessories products refer to the actual product)

2. Product features：

2.1 GSM four frequency(GSM850/900/1800/1900MHZ) system global general;
2.2 built-in switching power supply, exceed wide voltage input range: 9-75 VDC;
2.3 GPS continuous GPS positioning, GPRS report regularly;
2.4 Support SMS message to check the location info;
2.5 built-in vibration sensor, realization vehicle anti-theft intelligently;
2.6 ACC the ignition signal detection,vehicle status prompted;
2.7 waterproof designed
2.11 built-in backup battery, realize the illegal cut the line alarm;

Content	Specs.
Dim.	68mm x 40mm x 20mm
Weight	90g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS chip	UBLOX
GPS sensitivity	-159dBm
GPS accuracy	10m
Time To First Fix	Cold status 35-80s Warm status 35s Hot status 1s
voltage input	9－75V input
Battery	Build-in 3.7V 370mAh Li-ion battery
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

4. Appearance scheme



5. Preparation Installation

5.1.. Check the product

5.1.1 Open the package, and check product model and accessories. If there is something wrong or missing, please contact the distributor.

5.1.2. The selection of SIM card must follow the distributor's suggestion.

5.1.3. Install SIM card

Firstly, open the cover of the waterproof , secondly, insert the card ; finally, recover the waterproof cover

1. 2. 3. 4.

Tips:

Don't insert the SIM card up-side-down.·

Make sure the SIM card with GPRS service.

If the SIM card has been inserted, but it requires you to input SIM PIN, please close the SIM PIN function under the instruction of your mobile phone user's manual.

Make sure the SIM card account has enough money

5.2. Installation

Install the tracker is hidden installation, you'd better to install it with the help of professional companies or workers authorized by the distributor. Please install it according to the following instruction.

5.2.1. To avoid the thief's destruction, the tracker should be installed in a hidden place.

5.2.2 Don't put the tracker together with the emission sources, such as the parking radar system, alarms and other vehicle-carried communication terminals.

5.2.3 You can fix the tracker with the cable tie, or glue it with wide strong sponge double-sided tapes.

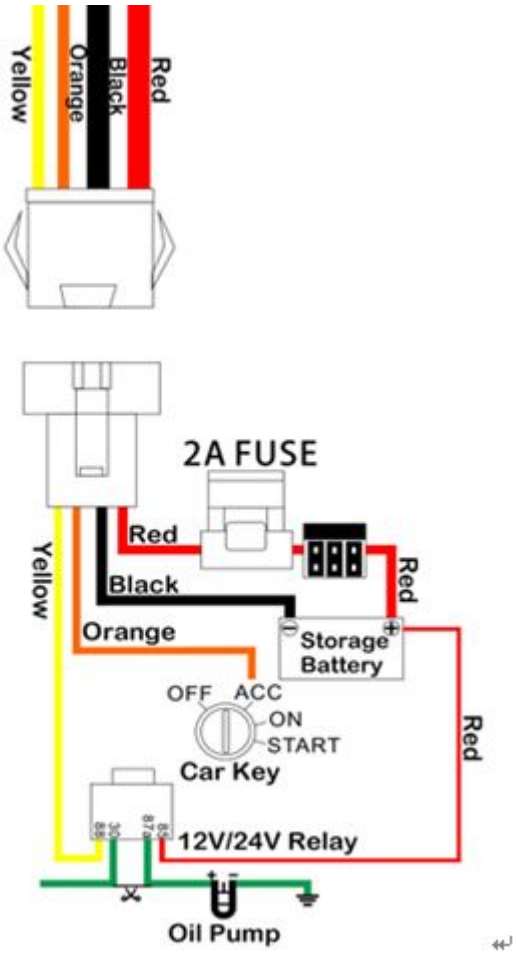
5.2.4 Because the tracker has GSM and GPS antenna inside, please make sure the reception side of GPS is upward (facing the sky), and there is no metal shelter above the tracker. Suggestions are as follow:

a, Hidden area under the decoration board below the front windshield or back windshield;

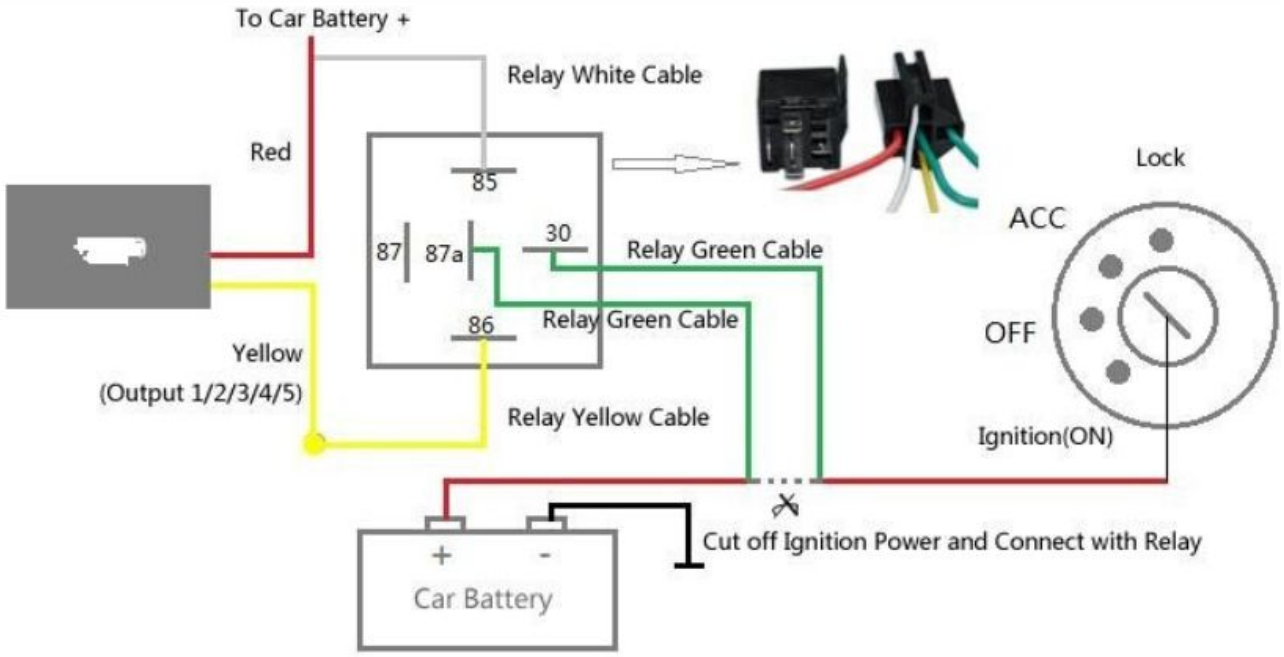
b, Hidden area around the front panel (with a surface made of non-metal materials);

Attention: If there is a metal insulation or a heating layer glued in the windshield, it will reduce the efficiency of GPS signal reception, and the GPS can't work well, you need to find other places to install again.

5.4 Terminal wiring diagram



Relay connectted



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6. Equipm

ent connect the matters needing attention

Power supply, the original car guard against theft, broken oil and electricity control line (4 pin)

6.1 This equipment is standard for power supply 10V-75VDC, please choose the original provide power supply cord, red line power positive, the black line for power negative; When installation, please choose to separate negative power grounding wires or by iron, don't and other ground were answered

6.2 The original car security line (Orange line)

7. Terminal parameter setting

Message set data: The car owner's mobile phone No. send the message code to the SIM card of the GPS device. Separated symbols is comma. The commas of the following functions data setting command is the English input format.

7.1 Basic operation Settings

7.1.1 Special No. setting (i.e., the owner number) ：

Special No. is the alarm No. You can send the command of adding special No. message to terminal for adding the No. Under the status of alarm, the terminal will send the position message to the setting special No. and call the No. repeat till the phone is connected.

7.1.1.1 Add the special No.：

Command format：adm+ code+ comma+NO. e.g.：adm123456,13812345678

Reply message：ADM！A1：13812345678

7.1.1.2 Delete special number：

Command format：noadmin+ code+ comma e.g.：adm123456，

Reply message：ADM！A1：

7.1.2 Modify the terminal password: please remember the password, if forget available owner send factory default command center number

The default terminal password：123456

Command format：pwd123456 666888(666888 for the new password,must be 6 to digital)

Reply message：OK! New password: ******. Safe keeping!

P.S.: the following instructions will send can achieve center number, be sure to keep in mind

7.2 Anti-theft alarm location query set

7.2.1 Location query

Command format：G123456# or where

Reply message：<DateTime:10-11-18 18:41:04>

http://maps.google.com/maps?q=N22.540885,E113.951341

7.2.2 Removal and fortify

7.2.2.1 Fortified Command format：SF or 111

Reply message：GSM:A/B/C/D. POWER:X. Arm delay in XXS！

7.2.2.2 Removal Command format：CF or 000

Reply message：GSM:A/B/C/D. POWER:X. DISARMED！

P.S.：The GSM signal A is strong,B is good,C is general,D is poor

7.2.3 Rest for 10 minutes automatic fortification (default open)

7.2.3.1 Open Command format：auto1

Reply message：Auto arm by Standby 10 mins：ON

7.2.3.2 Close Command format：auto0

Reply message：Auto arm by Standby 10 mins：OFF

Spd:XXXkm/h 2013-07-11 21:54:33

7.2.5 Vibration alarm setting

Continuous vibration time for 3 seconds by default,vibration alarm time interval 5 minutes by default

Alarm way：1 = SMS, 2 = phone call, 3 = SMS + Call , 0 = closed

Command format：vib2,3

Reply message：OK! Vibration Level:X Alarm mode: Call/SMS/Call & SMS

Alarm content：Vibration！Please check it now! Lat: Lon: GPS:A/V 2013-07-20 16:23

7.2.6 Shift alarm setting(default open)

7.2.6.1 Open Command format：move300

Reply message：OK! Move alarm: on

7.2.6.2 Close Connand format：move0

Reply message：OK! Move alarm:OFF

7.2.7 Over speed alarm(default close)

7.2.7.1 Open Command format：spd080

Reply message：OK! Over speed alarm: km/h

7.2.7.2 Close Connand format：spd0

Reply message：OK! Over speed alarm: off

Over speed alarm content：Over speed alarm！

http://maps.google.com/maps?q=22.53908%2c113.90871 Spd:XXXkm/h 2013-07-11 21:54:33

P.S.: set the range value of 50-300, speed limit 3 digits, the unit is km/hour

7.2.8 Oil outage & power outage

7.2.8.1 cutting off the oil

Command format：555

Reply message：CUT OIL OK!

7.2.8.2 opening the oil

Command format：666

Reply message：RESUME OIL OK!

When the car is stolen, the monitor platform will send the command of Oil cut-off power outages. For keeping the car safe drive the oil of the stolen car is cut off and the car can not be started.

P.S：In order to keep the car safe, the terminal is only under GPS effective position status and make sure the car is less than 20km/h or the car is still, the oil outage and power outage can be operated .when the theft alarm is relieved, the monitor platform restore the oil & power command, the terminal recover the oil & power and you can go on driving the car.

P.S.: Make sure to set the special No. before achieving this function

7.3 Equipment to restore the query set

7.3.1 Recover the factory setting:

Command format：format

Reply message：The tracker will immediately restore the factory settings. All previous settings will

be canceled.

7.3.2 GPS re-start:

Command format：RST

Reply message：The tracker will immediately restart!

8.working International tracking plateform :

Orange:
Server IP: 193.193.165.166
Server port: 20912

Wialon:
Server IP: 193.193.165.165
Server port: 20912

GPS Gate:

Server port: 7700

traccar.org:
Server IP: 112.224.21.201
Server port: 5013

My-GPS.org
Server IP: 212.227.96.146
Server port: 1155

（please choose the device name “Xeelectech LK206 “ LK310”）

9．Trouble shooting

8.1 The terminal can not connect with the server after 1st setting, and the platform display disconnected, pls check the terminal setting

8.1.1 Main power cable connection is right or not and pay attention not to connect the control cables inside the car

8.1.2 SIM card is assembly right or not, pls see the setting instruction

8.1.3 Power button is open or not, the button at the side of the back cover

8.1.4 ACC cable is connected or not, you plug in car key and open ACC

8.1.5 Check LED display status and refer to the display instruction。

8.1.6 Check GPS is positioned or not, if not, pls go to the outside for 1st position

8.2 Terminal is shown off-line at the back platform

1st check if 3pcs display lights run smoothly, you can check the SIM card status if you can not see the display light. The following steps are for your reference:

8.2.1 Call the device SIM Card No. to see if you can hear the mobile phone connection voice 8.2.2 The car is in the basement that is without GSM or not

8.2.3 Check the disconnected area, some lines or all ones are disconnected to see if it is the problem of the operator’s internet

8.2.4 SIM card is with no fee

8.2.5 GPRS is cancelled or not（The last day of disconnected line）

8.2.6 Check the parameter setting and check GPRS transmission interval is corrector not

8.3 If the terminal GPS function is activation and can not be positioned for long time, pls check the terminal location meet the requirement and pls refer to the installation manual.

8.4 When the GPS signal receipt Environment is not so good(ie. It is with big building around to cover the GPS signals), pls drive the car to the places without any building, and it takes 1-2 min. to be positioned 1st time.)

8.5 When Special No. mobile phone get the outage power message, pls check if it is cut illegally. Otherwise pls check the fuse. If yes, pls contact the dealer to change the same fuse and make sure no other inner problems, finally it can work again with power.

GPS vehicle positioning terminal warranty card

Special statement：

1. We reserve the right for the technology change without prior notice.
2. Product appearance and color changed subject to prevail kind .
3. Warranty card is only applicable to the IMEI number listed machines.
4. Please keep the card, show this card and the original purchase documents when guarantee.
5. The specific warranty scope, please see table explanation below.

This card for the warranty certificate, please fill in this card and save.

Name		**Phone**	
Address			
Model		**IMEI NO.**	
Buying date		**Invoice number**	
Sales unit name			
Sales unit address			
Sales unit phone			

1.From the purchase date, non-artificial damage is guaranteed for one year.
2.Belong to one of the following circumstances, not warranty, but can pay for maintenance.
1) Exceed guarantee period.
2) Without our authorization, disassemble or repair damaged.
3) Water damage or destroyed printed circuit board.
4)Improper installation, use, maintenance, safeguarding, caused damage.
5)The process of using that caused housing, lens, built-in antennas damaged.
6) IMEI number Inside the product was damaged or blur.
7)The warranty card and the product model are inconsistent or the card is alter.
8)Due to the force majeure damage.